

CLAIMS

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1. An alternator for a vehicle, including two magnet ~~comprising poles in the form of~~
5 interlaced claws and ~~at least one magnet interposed~~
between the poles, wherein the magnet comprises two
separate parts fixed to one another by a layer of
material which is more flexible than the magnet.

Subt A'

2. The alternator of claim 1, wherein the material
comprises iron.

3. The alternator of claim 1, wherein the magnet
extends ~~along the lateral faces of the associated poles,~~
15 the layer of material extending along ~~a plane parallel~~
to the lateral faces of the poles.

4. The alternator of claim 1, wherein the layer of
material extends at mid-distance from the associated
20 poles.

5. The alternator of claim 1, wherein the layer of
material extends along a median plane of the magnet,
perpendicular to a direction of polarization of the
25 magnet.

6. The alternator of claim 1, wherein the poles
exhibit lateral faces in which grooves are formed in
which the magnet is accommodated.

7. The alternator of claim 6, wherein the grooves
have a "U"-shaped transverse profile.

8. The alternator of claim 6, wherein the grooves
35 have a "V"-shaped transverse profile, one branch of the

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"V" being generally parallel to a circumferential face of the pole.

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5 The alternator of claim 1, wherein the poles have circumferential faces and lateral faces each uninterrupted from one to the other, the circumferential faces and inclined towards the center of the alternator.

10 The alternator of claim 1 to 9, wherein the magnet has a rectangular profile perpendicular to the longitudinal direction of the magnet.

11. The alternator of claim 1, wherein the magnet has a trapezoidal profile perpendicularly to a longitudinal direction of the magnet.

20 The alternator of claim 1, wherein the magnet is bonded to at least one pole by means of an adhesive identical to the said material.

13. The alternator of claim 1, which comprises several magnets, at least two of the magnets each comprising two separate parts.

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The alternator of claim 13, wherein most, preferably all, of the magnets each comprising two separate parts.

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